## Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

10/658,086 Examiner MAJIMA ET AL. Art Unit

√ Rejected
= Allowed

- (Through numeral)
Cancelled

N Non-Elected

I Interference

ROSS A. WILLIAMS

A Appeal
O Objected

|       |          | _       |        |         |            |         | _  |         | _       | _       |   |               |          |            |            |            | _        |            | _        | _        |            |   |               |          | _         |          |   |         |          |           | _        |          |   |
|-------|----------|---------|--------|---------|------------|---------|----|---------|---------|---------|---|---------------|----------|------------|------------|------------|----------|------------|----------|----------|------------|---|---------------|----------|-----------|----------|---|---------|----------|-----------|----------|----------|---|
| Cla   | aim      |         |        | _       | _          | Da      | te |         |         | _       | ] | Cla           | aim      |            |            |            | [        | <b>D</b> a | te       | _        |            |   | Cli           | aim      |           |          |   |         | ate      |           |          |          |   |
| Final | Original | 11/9/06 | 5/1/07 | 4/11/08 | 1/28/09    | 9/19/09 |    |         |         |         |   | Final         | Original | 11/9/06    | 5/7/07     | 4/11/08    | 12/28/09 | 8/18/09    |          |          |            |   | Final         | Original |           |          |   |         |          |           |          |          |   |
|       | 1        | V       | V      | 1       | V          | V       | t  | $^{+}$  | $^{+}$  | $^{+}$  | 1 |               | 51       | V          | 1          | V          | N        | N          | +        | $\vdash$ | Н          | H | $\vdash$      | 101      | $\exists$ | $\dashv$ |   | Н       | $\dashv$ | $\neg$    | $\dashv$ | $\dashv$ | Ⅎ |
|       | 2        | V       | V      | V       | V          | 1       | T  | Т       | 1       | 1       | 1 |               | 52       | 7          | V          | 7          | Ñ        | Ñ          |          | Т        | Т          | П |               | 102      | $\neg$    | $\neg$   |   |         | $\neg$   |           |          | $\neg$   | ┑ |
|       | 3        | V       | V      | V       | V          | 7       | Τ  | Т       | ✝       | Т       | 1 | $\overline{}$ | 53       | 1          | V          | 1          | N        | N          |          | П        | Г          | П |               | 103      | $\neg$    | $\neg$   |   | П       | $\neg$   |           | $\neg$   |          | П |
|       | 4        | V       | V      | V       | V          | V       | Т  | Т       | т       | Т       | 1 |               | 54       | П          | Г          | 1          | V        | V          | Т        | П        | Г          | П | $\overline{}$ | 104      | $\neg$    | ╛        |   | П       | $\neg$   | $\neg$    | T        | $\neg$   | П |
|       | 5        | V       | V      | V       | V          | V       | т  | т       | т       | Т       | 1 |               | 55       | г          | Г          | V          | V        | V          | Т        | П        | Г          | П |               | 105      | コ         | $\neg$   |   | П       | $\neg$   | $\neg$    | ┪        | _        | П |
|       | 6        | 4       | V      | V       | V          | V       | Т  | Т       | Т       | Т       | 1 |               | 56       | Г          |            | V          | ٧        | V          | Т        | Г        | Г          | П |               | 106      | ╗         | $\neg$   |   | П       | $\neg$   |           | ╗        | Т        | П |
|       | 7        | 4       | V      | V       | V          | V       | Т  | Т       | Т       | Т       | 1 |               | 57       | П          |            | П          | П        | Г          | Т        | П        | Г          | П |               | 107      | ╗         | $\neg$   |   | П       | $\neg$   |           | П        | Т        | П |
|       | 8        | V       | -      | -       | -          | -       |    | Т       | Т       | П       | ] |               | 58       |            |            |            |          |            |          |          |            |   |               | 108      |           |          |   |         |          |           |          |          | П |
|       | 9        | 1       | V      | V       | N          | N       | Т  | Т       | Т       | Г       | ] |               | 59       |            |            |            |          |            |          |          |            |   |               | 109      |           |          |   |         |          |           |          |          | П |
|       | 10       | V       | V      | 4       | N          |         |    | Т       | Т       | Г       | 1 |               | 60       |            |            |            |          |            | Т        |          |            | П |               | 110      | П         | П        |   |         |          |           | П        | Т        |   |
|       | 11       | V       | V      | 4       | N          | N       |    |         |         |         | ] |               | 61       |            |            |            |          |            |          |          |            |   |               | 111      |           |          |   |         |          |           |          |          |   |
|       | 12       | 4       |        | 4       | N          | N       |    |         |         |         | J |               | 62       |            |            |            |          |            |          |          |            | ш |               | 112      |           |          |   |         |          |           |          |          |   |
|       | 13       | V       |        | 4       | N          | N       |    | Т       | Γ       | L       | ] |               | 63       |            | L          |            |          | L          | ഥ        |          | L          | Ш |               | 113      | $\Box$    |          |   |         |          | $_{ m I}$ | I        | I        |   |
|       | 14       | ٧       | V      | 4       | N          | N       |    | $\perp$ | Г       | ſ       | Ţ |               | 64       |            |            |            |          |            | Г        |          |            | 口 |               | 114      | _1        |          |   |         |          |           |          |          |   |
|       | 15       | ٧       | V      | V       | V          | V       |    | ഥ       |         | 匸       | 1 |               | 65       |            | 匚          |            | $\Box$   | Ĺ          | 上        |          | 匚          | Ш |               | 115      | _         | $\perp$  |   |         |          |           |          |          |   |
|       | 16       | ٧       | V      | V       |            | V       |    | $\perp$ | L       | ┖       | ] |               | 66       |            |            |            |          |            | ш        |          | 匚          |   |               | 116      | $\Box$    | $\Box$   |   |         |          |           | $\Box$   |          |   |
|       | 17       | ٧       |        | V       | V          | V       |    | $\perp$ | Т       | $\perp$ | ] |               | 67       |            |            |            |          |            |          |          |            |   |               | 117      | $\Box$    | $\Box$   |   |         |          |           | $\Box$   |          |   |
|       | 18       | ٧       | V      | V       | V          | V       |    | $\perp$ | $\perp$ | $\perp$ | ] |               | 68       |            |            |            |          |            | $\perp$  |          |            |   |               | 118      | $\Box$    | $\Box$   |   |         |          |           | $\Box$   |          |   |
|       | 19       | V       | V      | V       | V          | V       |    | $\perp$ | L       | ┖       | ] |               | 69       |            |            |            |          |            | Ш        |          | 匚          |   |               | 119      | $\Box$    | $\Box$   |   |         |          |           | $\Box$   |          |   |
|       | 20       | ٧       |        | V       |            |         |    | Т       | L       | L       | ] |               | 70       |            |            |            |          |            | Е        |          |            |   |               | 120      | $\Box$    | $\Box$   |   |         |          |           |          |          |   |
|       | 21       | ٧       |        | V       |            |         |    |         | ┸       |         | J |               | 71       |            |            |            |          | L          |          |          |            | ш |               | 121      | $\perp$   |          |   |         |          |           |          |          |   |
|       | 22       | V       | V      | 4       | V          | V       |    |         |         |         | J |               | 72       |            |            |            |          | L          |          |          |            | ш |               | 122      |           | _1       |   |         |          |           |          |          |   |
|       | 23       | V       |        | 4       | V          | V       | L  |         |         |         | J |               | 73       |            |            |            |          | L          |          |          |            | Ш |               | 123      |           |          |   |         |          |           |          |          |   |
|       | 24       | 1       | -      | -       | <u> </u> - | -       |    |         | ┸       |         | J |               | 74       |            |            |            |          |            |          |          |            | ш |               | 124      |           |          |   |         |          |           |          |          |   |
|       | 25       | 1       |        |         | <u>  -</u> | -       |    |         |         |         | J |               | 75       |            |            |            |          | L          |          |          |            | ш |               | 125      |           |          |   |         |          |           |          |          |   |
|       | 26       | V       |        |         | <u>  -</u> | -       |    |         |         |         | J |               | 76       |            |            |            |          |            |          |          |            | ш |               | 126      |           |          |   |         |          |           |          |          |   |
|       | 27       | ٧       |        | -       | ļ -        | ١-      |    | ┸       | ┸       | ┸       | Ţ |               | 77       |            | _          |            | Ш        | L          | ┸        |          | ┖          | Ш |               | 127      | _         | _        |   |         | _        |           | _        | $\perp$  |   |
|       | 28       | ٧       | -      | -       | <u>  -</u> | 1-      |    | ┸       | ┸       | ┸       | Į |               | 78       | _          | _          |            | Ш        | L          | ┸        |          | ᆫ          | Ш |               | 128      | _         | _        |   |         | _        |           | _        | _        |   |
|       | 29       | ٧       |        | -       | -          | -       |    | ┸       | ┸       | ┸       | 1 |               | 79       | _          |            | _          |          | L          | $\perp$  |          | ┖          | Ш |               | 129      | _         | _        |   |         | _        |           | _        | _        |   |
|       | 30       | V       |        | -       | -          | -       |    | ┸       | ┸       | ┸       | Į |               | 80       | _          |            |            | Ш        | L          | ┸        |          | L          | Ш |               | 130      | _         | _        |   |         |          |           | _        | $\perp$  |   |
|       | 31       | ٧       | V      | 4       | V          |         |    | ┸       | ┸       | ┸       | Ţ |               | 81       | _          | _          | _          | Ш        | L          | ┸        |          | ᆫ          | Ш |               | 131      | _         | _        | _ | Ш       | _        |           | _        | _        |   |
|       | 32       | ٧       | V      | 4       | V          | V       |    | ┸       | ┸       | ┸       | J |               | 82       | _          | ᆫ          | _          |          | L          | $\perp$  | _        | ᆫ          | ш |               | 132      | _         | _        | _ | Ш       | _        |           | _        | _        |   |
|       | 33       | V       |        | 4       |            | V       |    | _       | ┸       | ┺       | 1 |               | 83       | _          | L          | ᆫ          | Ш        | L          | $\perp$  | _        | ╙          | Ш | _             | 133      | _         | _        | _ |         | _        | _         | 4        | _        |   |
|       | 34       | V       |        | V       | V          | ٧       |    | +       | 1       | 1       | 1 | <u> </u>      | 84       | L          | _          | L          |          | L          | 1        | $\vdash$ | _          | Ш | <u>_</u>      | 134      | _         | 4        | _ | $\Box$  | _        |           | _        | 4        | _ |
|       | 35       | V       |        | 1       | V          |         |    | $\perp$ | 1       | 1       | 1 |               | 85       | $\vdash$   | _          | <u> </u>   | Ш        | L          | 1        | _        | _          | Ш | $\vdash$      | 135      | _         | 4        | _ | $\Box$  | _        | _         | 4        | 4        | _ |
| _     | 36       | V       |        | 4       | V          |         |    | +       | 1       | ┺       | 1 | ⊢             | 86       | <u> </u>   | _          | ╙          | $\perp$  | L          | $\vdash$ | _        | _          | Ш | $\vdash$      | 136      | _         | 4        |   |         | _        |           | 4        | _        |   |
|       | 37       | V       |        | 1       | V          |         |    | +       | 1       | 1       | 1 | ╙             | 87       | <u> </u>   | _          | $\vdash$   | $\vdash$ | L          | ╄        | <u> </u> | _          | Ш | $\vdash$      | 137      | _         | 4        |   |         | _        | _         | 4        | _        | _ |
| _     | 38       | V       |        | 4       | V          | V       |    | 4       | 4-      | 4-      | 1 |               | 88       | L          | _          | <u> </u>   | Ы        | L          | 4        | $\vdash$ | ┡          | Щ | <u> </u>      | 138      | _         | 4        | _ | Щ       | _        | _         | _        | _        | _ |
|       | 39       | ٧       |        | Ą       | V          |         |    | +       | 1       | ╄-      | 1 |               | 89       | L          | _          | L          | Ш        | L          | ┺        | _        | L          | Ш | <u> </u>      | 139      | _         | _        | _ | Ш       | _        | _         | _        | _        |   |
| _     | 40       | V       | -      | Ŀ       | Ŀ          | 1-      |    | +       | 1-      | 1-      | 1 | <u> </u>      | 90       | <b> </b> - | <b> </b> _ | <b> </b>   | Ы        | L          | 4        | $\vdash$ | <b>L</b>   | Ш | <u> </u>      | 140      | _         | 4        | _ | $\perp$ | _        | _         | _        | 4        | _ |
| _     | 41       | V       | V      | 4       | N          |         |    | 4       | 1-      | 1       | 1 | <u> </u>      | 91       | <b> </b> _ | <b>L</b>   | <b> </b> _ | Ы        | L          | 1        | <b>L</b> | <b> </b> _ | Н | <u> </u>      | 141      | _         | 4        | _ | Ш       | _        | _         | _        | 4        | _ |
|       | 42       | V       | V      | V       | N          | N       |    | +       | +       | ╀       | 1 |               | 92       | _          | _          | _          | Н        | L          | ┺        | _        | ⊢          | Н | <b>⊢</b>      | 142      | _         | 4        |   | Ш       | _        |           | _        | _        | _ |
|       | 43       | V       |        | V       | N          | N       |    | +       | +       | ┺       | 1 |               | 93       | _          | ⊢          | _          | Н        | L          | $\perp$  | _        | ⊢          | Н | ⊢             | 143      | _         | 4        | _ | Ш       | _        | _         | _        | _        | _ |
|       | 44       | V       |        | ٧.      | N          | N       |    | +       | +       | ┺       | 1 | <u> </u>      | 94       | _          | <b>—</b>   | _          | Ш        | L          | +        | <b>—</b> | ⊢          | Н | ⊢             | 144      | _         | 4        | _ | Ц       | _        | _         | 4        | _        |   |
|       | 45       | V       | V      | 4       | N          | N       |    | +       | +       | ┺       | 1 | ⊢             | 95       | _          | _          | _          | Ш        | L          | +        | <b>—</b> | <b>L</b>   | Ш | ⊢             | 145      | _         | 4        | _ |         | _        |           | 4        | _        | _ |
|       | 46       | V       | V      | 1       | N          | N       |    | +       | +       | +       | - | _             | 96       | ⊢          | _          | ⊢          | Ш        | L          | $\perp$  | $\vdash$ | ⊢          | Ш | <u> </u>      | 146      | _         | 4        | _ | Ш       | _        | _         | 4        | _        | _ |
| _     | 47       | V       | V      | V       | N          |         |    | +       | 1       | $\perp$ | 1 | _             | 97       | L          | $\vdash$   | L          | Ш        | L          | $\perp$  | $\vdash$ | ⊢          | Ш | <u> </u>      | 147      | _         | 4        | _ |         | _        | _         | 4        | _        | _ |
|       | 48       | V       | V      | 4       | N          | N       |    | +       | 1       | ╄       | 1 | ⊢             | 98       | _          | _          | _          | Ш        | L          | +        | $\vdash$ | <b>L</b>   | Ш | <u> </u>      | 148      | _         | 4        | _ |         | _        |           | 4        | _        | _ |
|       | 49       | V       | V      | ٧       | V          | V       |    | +       | 1       | ┺       | 1 | <u> </u>      | 99       | _          |            | _          | Ш        | L          | 1        | $\vdash$ | _          | Ш | <u> </u>      | 149      | _         | 4        | _ |         | _        |           | 4        | _        | _ |
|       | 50       | V       | V      | V       | V          | V       |    |         |         |         |   |               | 100      |            |            |            | ш        |            | 1        |          |            | ш |               | 150      |           |          |   |         |          |           |          |          |   |